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RO/RO Ramp to Platform Interface

Develop a SS3 interface capability between ramps of existing RO/RO ships and existing and future causeway platforms

RO/RO Ramp to Platform Interface

Progress

- Ramp information database developed
- Government and Industry concepts sought - BAA

  Web site developed in support of BAA

  WWW.DT.NAVY.MIL/CODE293/RORORAMP.HTML
- Revised plan based on BAA response

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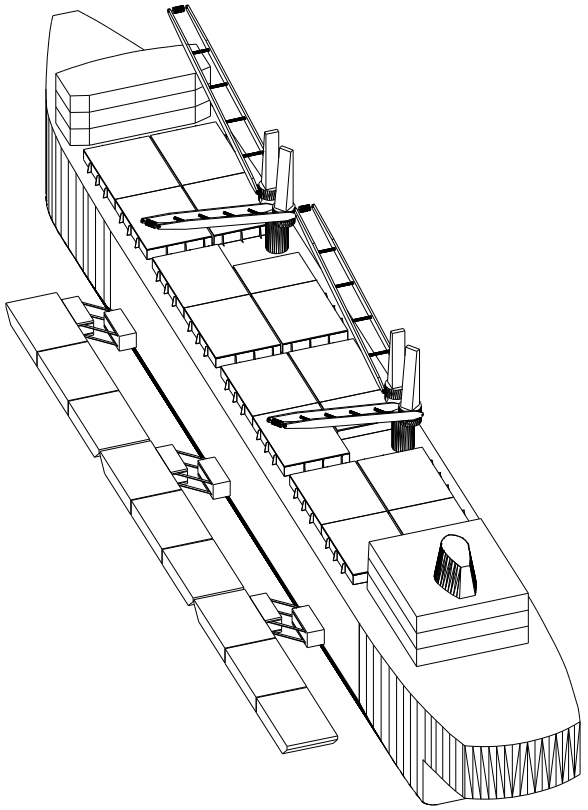
RO/RO Ramp to Platform Interface

- **Obtain ship/ramp dwgs for range of ramp types in the RRF.**
- **Run hydro models (WAMIT and NPS).**
- **Ramp structural calculations (FEA or manual)**
  - Include effect off-center-line vehicle loads on ramp structure.
- **Revisit ramp modifications as solution.**
- **Revisit BAA concepts as solution.**
- **Participate in ramp monitoring system test.**

Ship/Lighter/Platform Interface



Develop sea state 3 capable docking and mooring systems for JLOTS lighters, ships and platforms.

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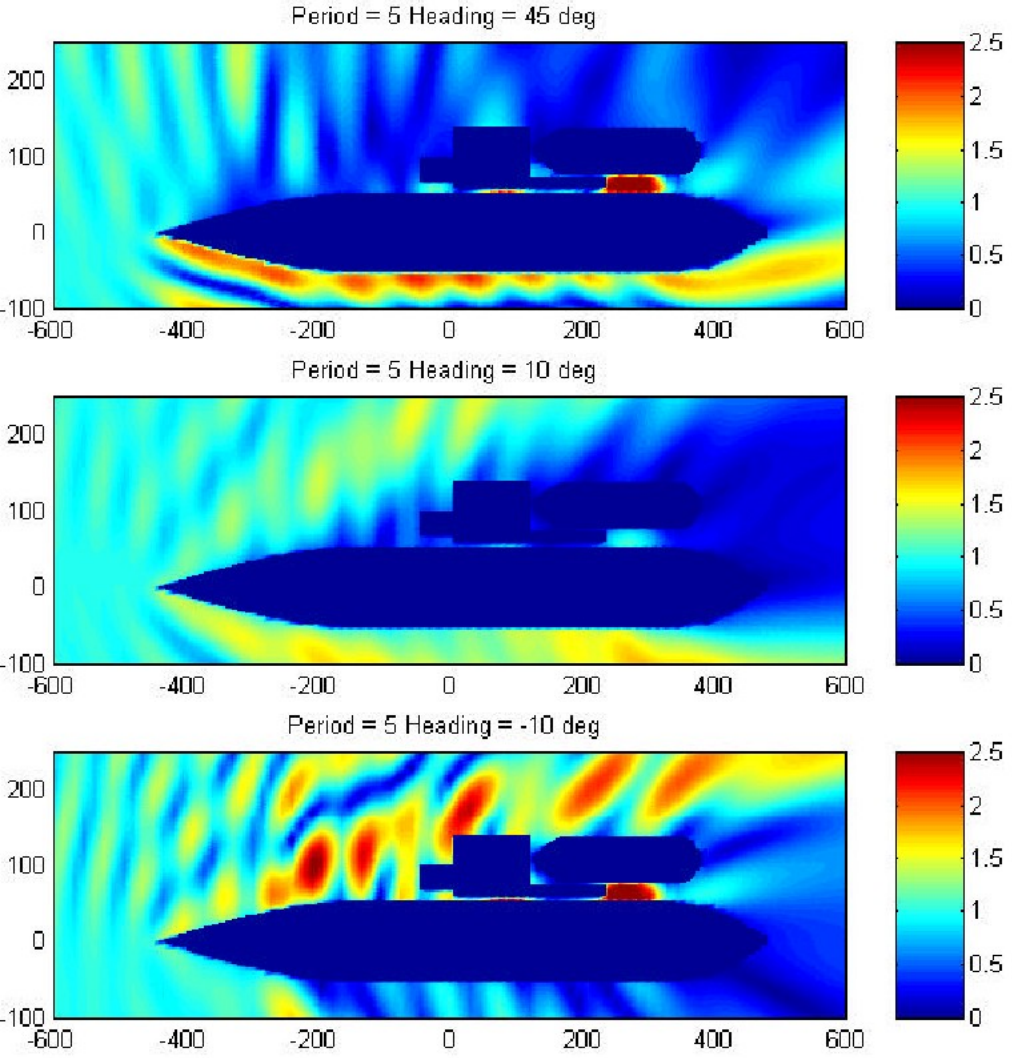
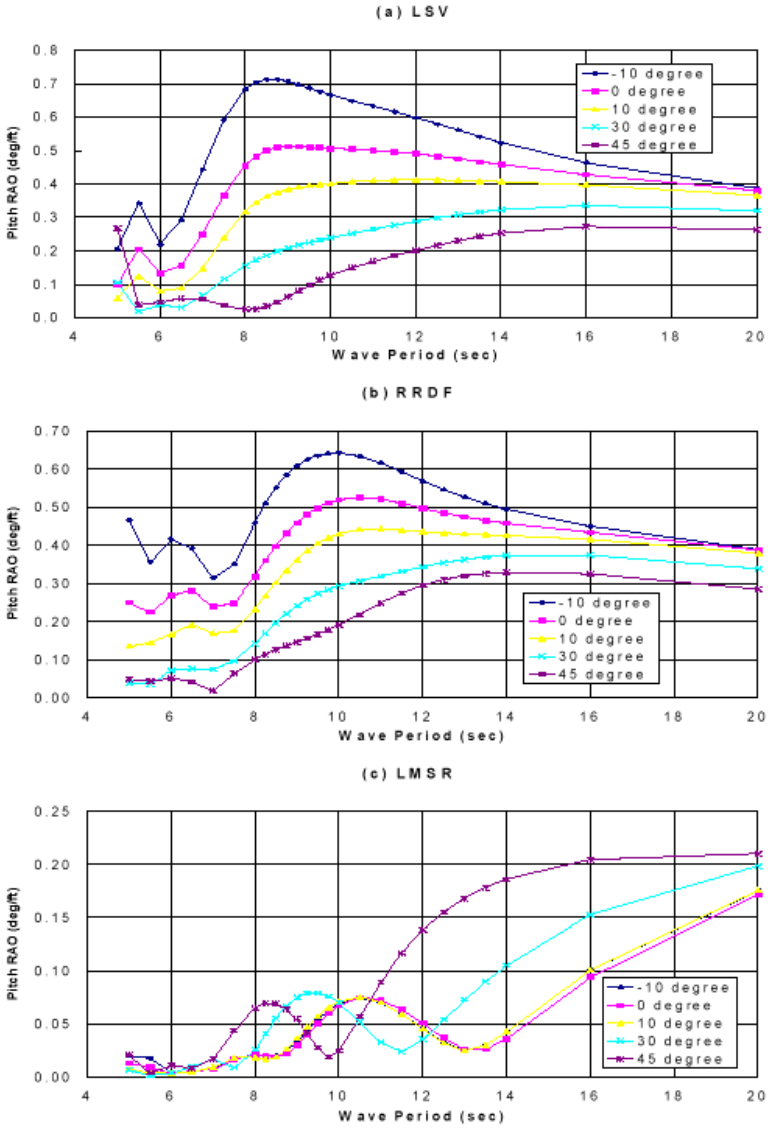
Ship/Lighter/Platform Interface

Motion Analysis of LMSR, JMLS RRDF & LSV





Ship/Lighter/Platform Interface

FY99:

- Defined interface problems
  - Navy/Army operator feedback
  - Brainstorming
- Benchmarked motion analysis (T-ACS + NL CF)
- Initiated technology survey

FY00:

- Complete motion analysis of SLP interfaces (T-ACS, LMSR, RRDF, JMLS, LCU-2000, LSV)
- Develop performance requirements
- Complete technology survey
- Evaluate concepts & select system(s)
- Conduct preliminary design & engineering analysis